

## EAST Search History

## EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	105	(lead ner2 acid near2 battery, nickel near2 cadmium near2 battery nickel near2 metal near2 hydride near2 battery lithium near2 ion near2 battery) with (double near2 layer near2 capacito metal near2 oxide near2 pseudo near2 capacitor hybrid near2 capacitor)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/15 12:37
L2	82729	(overvoltage voltage near2 surge voltage near2 transient excess near2 voltage)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/15 12:38
L3	3	1 and 2	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/15 12:38
L4	170	(lead ner2 acid near2 battery, nickel near2 cadmium near2 battery nickel near2 metal near2 hydride near2 battery lithium near2 ion near2 battery) same (double near2 layer near2 capacito metal near2 oxide near2 pseudo near2 capacitor hybrid near2 capacitor)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/15 12:38
L5	595	(lead ner2 acid near2 battery, nickel near2 cadmium near2 battery nickel near2 metal near2 hydride near2 battery lithium near2 ion near2 battery) and (double near2 layer near2 capacito metal near2 oxide near2 pseudo near2 capacitor hybrid near2 capacitor)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/15 12:39

L6	49	2 and 5	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/15 12:39
L7	4434	secondary near2 battery with capacitor	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/15 12:48
L8	144	(overvoltage voltage near2 surge voltage near2 transient excess near2 voltage) and 7	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/15 12:48
L9	29	battery and capacitor near6 (overvoltage voltage near2 surge voltage near2 transient excess near2 voltage) near4 shunt\$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/15 13:11
L10	20877	series near3 (lead ner2 acid near2 battery, nickel near2 cadmium near2 battery nickel near2 metal near2 hydride near2 battery lithium near2 ion near2 battery)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/15 13:20
L11	1115	(overvoltage voltage near2 surge voltage near2 transient excess near2 voltage) and 10	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/15 13:21
L12	42	secondary near2 battery and 11	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/15 13:21
L13	15	("3909685"   "4418127"   "4424491"   "4484140"   "4513167"   "4675259"   "4879188"   "4885523"   "5130706"   "5302902"   "5304915"   "5503948"   "5563496"   "5581170"   "5652501").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/10/15 13:22

L14	3731	secondary near2 battery near8 capacitor	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/15 13:25
L15	70	L14 and overvoltage	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/15 13:25
L16	0	(lead ner2 acid near2 battery, nickel near2 cadmium near2 battery nickel near2 metal near2 hydride near2 battery lithium near2 ion near2 battery) near5 series near5 (double near2 layer near2 capacito metal near2 oxide near2 pseudo near2 capacitor hybrid near2 capacitor)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/15 13:27
L17	1688	(lead ner2 acid near2 battery, nickel near2 cadmium near2 battery nickel near2 metal near2 hydride near2 battery lithium near2 ion near2 battery) near5 series near5 (double near2 layer near2 capacitor metal near2 oxide near2 pseudo near2 capacitor hybrid near2 capacitor capacitor)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/15 13:28
L18	231	(overvoltage voltage near2 surge voltage near2 transient excess near2 voltage) and 17	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/15 13:28
L19	5	10 with (different difference) near4 capacity	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/15 13:40
L20	18687	("320").CLAS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/10/15 13:40

L21	26	(lead ner2 acid near2 battery, nickel near2 cadmium near2 battery nickel near2 metal near2 hydride near2 battery lithium near2 ion near2 battery) and (double near2 layer near2 capacito metal near2 oxide near2 pseudo near2 capacitor hybrid near2 capacitor) and 20	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/15 13:41
L22	51329	series near3 (lead ner2 acid near2 battery, nickel near2 cadmium near2 battery nickel near2 metal near2 hydride near2 battery lithium near2 ion near2 battery battery)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/15 13:42
L23	112	2 with 22	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/15 13:43
L24	2	("5528121").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/10/15 14:09
L25	2423	(361/16,91.1,23).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/10/15 14:15
L26	49	(lead ner2 acid near2 battery, nickel near2 cadmium near2 battery nickel near2 metal near2 hydride near2 battery lithium near2 ion near2 battery) and (double near2 layer near2 capacito metal near2 oxide near2 pseudo near2 capacitor hybrid near2 capacitor) and 2	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/15 14:15
L27	1011	(320/116,118,120).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/10/15 14:24

L28	84	(overvoltage voltage near2 surge voltage near2 transient excess near2 voltage) and 27	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/15 14:25
L29	300	Sung near2 min near2 kim. in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/15 14:27
L30	2	(lead ner2 acid near2 battery, nickel near2 cadmium near2 battery nickel near2 metal near2 hydride near2 battery lithium near2 ion near2 battery) and (double near2 layer near2 capacito metal near2 oxide near2 pseudo near2 capacitor hybrid near2 capacitor) and 29	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/15 14:27
L31	124	hee near2 young near2 lee. in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/15 14:27
L32	2	(lead ner2 acid near2 battery, nickel near2 cadmium near2 battery nickel near2 metal near2 hydride near2 battery lithium near2 ion near2 battery) and (double near2 layer near2 capacito metal near2 oxide near2 pseudo near2 capacitor hybrid near2 capacitor) and 31	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/15 14:28
L33	35	yong near2 ho near2 jung. in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/15 14:28
L34	14	heui near2 soo near2 kim. in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/15 14:29

L35	0	sung near2 chui near2 park. in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/15 14:29
L36	112	sung near2 chul near2 park. in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/15 14:30
L37	0	(overvoltage voltage near2 surge voltage near2 transient excess near2 voltage) and 36	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/15 14:30
L38	2	(lead ner2 acid near2 battery, nickel near2 cadmium near2 battery nickel near2 metal near2 hydride near2 battery lithium near2 ion near2 battery) and (double near2 layer near2 capacito metal near2 oxide near2 pseudo near2 capacitor hybrid near2 capacitor) and 36	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/15 14:30
L39	64	ha near2 young near2 lee. in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/15 14:30
L40	2	(lead ner2 acid near2 battery, nickel near2 cadmium near2 battery nickel near2 metal near2 hydride near2 battery lithium near2 ion near2 battery) and (double near2 layer near2 capacito metal near2 oxide near2 pseudo near2 capacitor hybrid near2 capacitor) and 39	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/15 14:30
L41	7	eun near2 sil near2 kim.in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/15 14:31

L42	25	NESSCAP.AS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/15 14:34
L44	2	(capacitor near3 secondary near2 battery near4 series and capacity).clm.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/15 14:38

**EAST Search History (I nterference)**

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L43	30	(lead ner2 acid near2 battery, nickel near2 cadmium near2 battery nickel near2 metal near2 hydride near2 battery lithium near2 ion near2 battery) with (double near2 layer near2 capacito metal near2 oxide near2 pseudo near2 capacitor hybrid near2 capacitor)	USPAT; UPAD	OR	ON	2009/10/15 14:35

**10/ 15/ 2009 2:39:16 PM****C:\ Documents and Settings\dnguyen19\ My Documents\ EAST\ Workspaces\ 10540919.wsp**